Date: Thu, 24 Feb 94 04:31:00 PST
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #38
To: Ham-Space

Ham-Space Digest Thu, 24 Feb 94 Volume 94 : Issue 38

Today's Topics:

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

Date: Mon, 21 Feb 1994 09:23:43 -0700
From: elroy.jpl.nasa.gov!usc!sol.ctr.columbia.edu!newsxfer.itd.umich.edu!
nntp.cs.ubc.ca!alberta!ve6mgs!usenet@ames.arpa
Subject: ARLK007 Keplerian data
To: ham-space@ucsd.edu

SB KEP @ ARL $ARLK007
ARLK007 Keplerian data

ZCZC SK74
QST de W1AW
Keplerian Bulletin 7 ARLK007

Date: 22 Feb 94 02:47:30 GMT
From: agate!msuinfo!harbinger.cc.monash.edu.au!bruce.cs.monash.edu.au!merlin!
mel.dit.csiro.au!its.csiro.au!dmssyd.syd.dms.CSIRO.AU!wabbit.cc.uow.edu.au!
news.ci.com.au!eram!dave@ames.
Subject: Daily IPS Report - 22 Feb 94
To: ham-space@ucsd.edu

IPS RADIO AND SPACE SERVICES AUSTRALIA
Daily Solar And Geophysical Report
Issued at 2330 UT 21 February 1994
Summary for 21 February and Forecast up to 24 February
IPS Warning 06 was issued on 17 Feb and is current for
interval 20-23 Feb.

1A. SOLAR SUMMARY
Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 105/054

1B. SOLAR FORECAST

	22 February	23 February	24 February
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 105/054

1C. SOLAR COMMENT
None.

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth : major storm

Estimated Indices :	A	K	Observed A Index 20 February
Learmonth	45	2126 6664	
Fredericksburg	54		13
Planetary	60		13

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
22 Feb	50	Minor storm.
23 Feb	35	Active to minor storm.
24 Feb	20	Active to minor storm.

2C. MAGNETIC COMMENT
Shock in field was observed at 0900Z 135nT. Major storm levels
observed after shock. Shock due to M4 flare.

3A. GLOBAL HF PROPAGATION SUMMARY
LATITUDE BAND

DATE LOW MIDDLE HIGH
21 Feb fair-normal fair-normal poor-fair
PCA Event : In progress.
3B. GLOBAL HF PROPAGATION FORECAST
LATITUDE BAND
DATE LOW MIDDLE HIGH
22 Feb poor poor poor
23 Feb fair poor poor
24 Feb normal fair poor
3C. GLOBAL HF PROPAGATION COMMENT
Continuing geomagnetic activity is degrading global HF propagation conditions. PCA event has degraded high lat HF comms.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY
MUFs at Sydney were 10-20% enhanced until dawn then depressed 10-20%

T index: 64

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST
DATE T-index MUFs
22 Feb 0 About 20% below predicted monthly values.
23 Feb 15 About 15% below predicted monthly values.
24 Feb 20 About 15% below predicted monthly values.

Predicted Monthly T Index for February is 30.

4C. AUSTRALIAN REGION COMMENT
Degraded and depressed HF conditions are expected over the next three days due to recurrent/flare and dissappearing filament activity.
--
Dave Horsfall (VK2KFU) VK2KFU @ VK2OP.NSW.AUS.OC PGP 2.3
dave@esi.COM.AU ...munnari!esi.COM.AU!dave available

Date: (null)
From: (null)
SB KEP ARL ARLK007
ARLK007 Keplerian data

Thanks to NASA, AMSAT and N3FKV for the following Keplerian data.

Decode 2-line elsets with the following key:
1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJKKKKKZ

KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

AO-10
1 14129U 83058 B 94041.03785160 -.00000138   10000-3 0 2617
2 14129 27.2065 342.3641 6022608 153.3557 257.8051 2.05878353 52193
RS-10/11
1 18129U 87054 A 94048.06093502 0.00000012   13875-4 0 8646
2 18129 082.9197 057.6327 0011716 002.6869 357.4911 13.72331189333430
UO-11
1 14781U 84021 B 94044.54889300 0.00000363   69607-4 0 6646
2 14781 97.7907 65.0254 0011279 310.7761 49.2455 14.69144313532150
RS-12/13
1 21089U 91007 A 94044.66379265 0.00000043   29527-4 0 6624
2 21089 82.9220 103.0678 0030946 91.8517 268.6203 13.74034946151682
AO-13
1 19216U 88051 B 94046.66135778 0.00002242   12555-0 0 8791
2 19216 057.8129 267.9831 7205073 334.9717 002.9154 02.09729204011960
UO-14
1 20437U 90005 B 94046.18347456 0.00000060   40471-4 0 9648
2 20437 98.5953 132.5942 0010599 186.2827 173.8225 14.29823413212157
AO-16
1 20439U 90005 D 94045.75388848 0.00000076   46533-4 0 7642
2 20439 98.6038 133.2765 0010934 188.0238 172.0765 14.29879034212109
DO-17
1 20440U 90005 E 94045.23034447 0.00000070   44132-4 0 7636
2 20440 98.6058 133.0443 0010965 189.4352 170.6623 14.30017107212047
WO-18
1 20441U 90005 F 94045.76328214 0.00000059   39826-4 0 7656
2 20441 98.6054 133.5798 0011505 188.3662 171.7330 14.29993172212124
LO-19
1 20442U 90005 G 94045.74960276 0.00000064   41740-4 0 7637
2 20442 98.6048 133.7927 0011921 187.6862 172.4137 14.30087334212130
FO-20
1 20480U 90013 C 94046.42832899 -.00000014   49346-4 0 6593
2 20480 99.0216 221.3367 0539917 255.4010 98.6634 12.83223845188515
AO-21
1 21087U 91006 A 94047.99815709 0.00000002   30666-5 0 4268
2 21087 082.9394 231.6402 0036189 059.3554 301.1680 13.74533028153072
UO-22
1 21575U 91050 B 94046.13690949 0.00000113   52716-4 0 4656
2 21575 98.4466 123.0432 0007219 301.1937 58.8542 14.36890610135556
KO-23
1 22077U 92052 B 94046.40390865 -.00000037   10000-3 0 3600
2 22077 66.0810 174.9628 0009874 317.5713 42.4539 12.86284764 71129
KO-25
1 22830U 93061H   94045.75293537 0.00000053   38624-4 0 2646
2 22830 98.5674 121.3071 0011406 172.0390 188.0975 14.28033386 20227

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IO-26
1 22826U 93061  D 94042.21058899 0.00000053           39268-4 0  2611
2 22826  98.6649 119.2441 0008529 216.1988 143.8612 14.27708814 19710
AO-27
1 22825U 93061  C 94046.21545311 0.00000058           41460-4 0  2616
2 22825  98.6626 123.1936 0008062 202.2052 157.8775 14.27607193 20284
PoSat
1 22829U 93061  G 94045.75585944 0.00000072           46760-4 0  2540
2 22829  98.6608 122.7699 0009759 191.0097 169.0872 14.28003980 20229
ARSENE
1 22654U 93031B   93338.80803910 -.00000087  00000-0  00000 0 0  2437
2 22654   1.4104 113.5274 2936576 161.9838 210.8642  1.42202044  2990
Mir
1 16609U 86017  A 94048.08346927 0.00010503           12582-3 0  1405
2 16609 051.6194 068.8223 0005218 334.0639 026.0757 15.60261716457315

Keplerian bulletins are transmitted twice weekly from W1AW.
The next scheduled transmission of these data will be Tuesday,
February 22, 1994, at 2330z on Baudot and AMTOR.
NNNN
/EX

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End of Ham-Space Digest V94 #38
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